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Double-circumflex trap

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Is there a difference between those two cases?

\number'\^A
\number'^A

And how about this?

\number'\^Q
\number'^Q
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In the case of ^^A (character code 1), both lines yield the number 1, the backslash character's presence before the double-circumflex doesn't influence the result. In the second case, the first line yields 0, while the second results in 32. The reason is that the character of the code 0 (^^@) has the associated category code 'ignored' (9). Any character of the category 9 will simply be omitted, except when there is a backslash immediately before it. If there is no backslash, the very next character is considered, which is a code 32... Well, actually its end-line character, which is replaced by the character of the code being a current value of \endlinechar, which is 13 by default, and character 13 has a default category code 5, which is finally converted to the character 32.